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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,254	01/21/2004	Kia Silverbrook	RRA01US	1568

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SILVERBROOK RESEARCH PTY LTD
393 DARLING STREET
BALMAIN, NSW 2041
AUSTRALIA

EXAMINER

MARTIN, LAURA E

ART UNIT	PAPER NUMBER
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2853

DATE MAILED: 05/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/760,254

Applicant(s)

SILVERBROOK, KIA

Examiner

Laura E. Martin

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Silverbrook et al. (US 6439908).

As per claim 1, Silverbrook et al. teaches a printer cartridge for an inkjet printer including: a printing fluid storage (figure 15, element 114); and a pagewidth printhead in communication with said printing fluid storage (figure 15, element 10).

As per claim 2, Silverbrook et al. teaches the pagewidth printhead is arranged to print of at least 8 inches in width (column 2, line 27).

As per claim 3, Silverbrook et al. teaches a printing fluid storage being housed within a body that includes an arrangement for replenishing of printing fluid from an external source (figure 15, element 18).

As per claim 4, Silverbrook et al. teaches a pagewidth printhead including at least 20,000 printing fluid deliver nozzles in fluid communication with the printing fluid storage (column 3, lines 4-50).

As per claim 5, Silverbrook et al. teaches a pagewidth printhead including at least 30,000 printing fluid deliver nozzles in fluid communication with the printing fluid storage (column 3, lines 4-50).

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As per claim 6, Silverbrook et al. teaches printing fluid storage including one or more storage reservoirs for storing an ink for printing (figure 15, element 114).

As per claim 7, Silverbrook et al. teaches one or more storage reservoirs separately storing a set of colored inks sufficient for color printing (column 7, line 38-column 8, line 5).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Silverbrook et al. (US 6439908) in view of Silverbrook (US 6281912).

In claims 8 and 9, Silverbrook et al. ('908) teaches the printer cartridge of claim 7; however, it does not disclose storage reservoirs containing an ink fixative or infra-red ink.

Silverbrook ('912) teaches reservoirs separately storing ink fixative and an infra-red ink for printing (column 2, lines 48-50).

In claims 10-12, Silverbrook et al. ('908) teaches a first electrical connector (figure 14, element 58) provided in electrical communication with the pagewidth printhead and disposed adjacent a first end of the pagewidth printhead for mating with a first corresponding connector of the inkjet printhead (column 3, lines 57-65); a second

electrical connector (figure 14, element 60) provided in electrical communication with the pagewidth printhead and disposed adjacent a second end of the pagewidth printhead for mating with a second corresponding connector of the inkjet printer (column 3, lines 57-65); wherein the cartridge is received in the inkjet printer power and data is transmitted to the pagewidth printhead from the inkjet printer by said mating relationship between the first and second electrical connectors and the corresponding connectors of the inkjet printer (column 3, lines 57-65). Silverbrook et al. ('908) does not teach the apparatus of claim 9.

Silverbrook ('912) teaches the apparatus of claim 9 (described above).

In claims 13-16, Silverbrook et al. ('908) teaches the electrical connectors of claims 10-12; however, it does not disclose the assembly arranged to direct air over the printhead including a filter and an inlet.

Silverbrook ('912) teaches an assembly arranged to direct air over said pagewidth printhead (figure 6, element 68 air passage), wherein the assembly includes a filter for filtering the air prior to said air being directed over said pagewidth printhead (column 8, lines 60-63), an inlet for receiving air from an external source (figure 6, element 61) wherein the external source is located in the inkjet printer (figures 4 and 5).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the Silverbrook ('912) invention with that of Silverbrook et al. ('908) to allow for a more durable printhead and to improve printing quality.

Response to Arguments


Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura E. Martin whose telephone number is (571) 272-2160. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Laura E. Martin


9/3/06
MANISH S. SHAH
PRIMARY EXAMINER